



39750-0008C1 Saved August 10, 2006.txt

SEQUENCE LISTING

HANSEN, Stig
WIESMANN, Christian

<120> Compounds that Modulate the Activity of
PTP-1B and TC-PTP

<130> 39750-0008C1

<140> 10/788,564
<141> 2004-02-27

<150> US 60/361,475
<151> 2002-03-01

<150> US 10/374,539
<151> 2003-02-25

<160> 33

<170> FastSEQ for Windows Version 4.0

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<213> Homo sapiens

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Ala Ala Ile Tyr Gln Asp Ile Arg His Glu Ala Ser Asp Phe Pro Cys
20 25 30
Arg Val Ala Lys Leu Pro Lys Asn Lys Asn Arg Asn Arg Tyr Arg Asp
35 40 45
Val Ser Pro Phe Asp His Ser Arg Ile Lys Leu His Gln Glu Asp Asn
50 55 60
Asp Tyr Ile Asn Ala Ser Leu Ile Lys Met Glu Glu Ala Gln Arg Ser
65 70 75 80
Tyr Ile Leu Thr Gln Pro Leu Pro Asn Thr Cys Gly His Phe Trp
85 90 95
Glu Met Val Trp Glu Gln Lys Ser Arg Gly Val Val Met Leu Asn Arg
100 105 110
Val Met Glu Lys Gly Ser Leu Lys Cys Ala Gln Tyr Trp Pro Gln Lys
115 120 125
Glu Glu Lys Glu Met Ile Phe Glu Asp Thr Asn Leu Lys Leu Thr Leu
130 135 140
Ile Ser Glu Asp Ile Lys Ser Tyr Tyr Thr Val Arg Gln Leu Glu Leu
145 150 155 160
Glu Asn Leu Thr Thr Gln Glu Thr Arg Glu Ile Leu His Phe His Tyr
165 170 175
Thr Thr Trp Pro Asp Phe Gly Val Pro Glu Ser Pro Ala Ser Phe Leu
180 185 190
Asn Phe Leu Phe Lys Val Arg Glu Ser Gly Ser Leu Ser Pro Glu His
195 200 205
Gly Pro Val Val Val His Cys Ser Ala Gly Ile Gly Arg Ser Gly Thr
210 215 220
Phe Cys Leu Ala Asp Thr Cys Leu Leu Leu Met Asp Lys Arg Lys Asp
225 230 235 240
Pro Ser Ser Val Asp Ile Lys Lys Val Leu Leu Glu Met Arg Lys Phe
245 250 255
Arg Met Gly Leu Ile Gln Thr Ala Asp Gln Leu Arg Phe Ser Tyr Leu

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260 265 270
Ala Val Ile Glu Gly Ala Lys Phe Ile Met Gly Asp Ser Ser Val Gln
275 280 285
Asp Gln Trp Lys Glu Leu Ser His Glu Asp
290 295

<210> 2
<211> 296
<212> PRT
<213> Homo sapiens

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20 25 30
Pro His Arg Val Ala Lys Phe Pro Glu Asn Arg Asn Arg Asn Arg Tyr
35 40 45
Arg Asp Val Ser Pro Tyr Asp His Ser Arg Val Lys Leu Gln Asn Ala
50 55 60
Glu Asn Asp Tyr Ile Asn Ala Ser Leu Val Asp Ile Glu Glu Ala Gln
65 70 75 80
Arg Ser Tyr Ile Leu Thr Gln Gly Pro Leu Pro Asn Thr Cys Cys His
85 90 95
Phe Trp Leu Met Val Trp Gln Gln Lys Thr Lys Ala Val Val Met Leu
100 105 110
Asn Arg Ile Val Glu Lys Glu Ser Val Lys Cys Ala Gln Tyr Trp Pro
115 120 125
Thr Asp Asp Gln Glu Met Leu Phe Lys Glu Thr Gly Phe Ser Val Lys
130 135 140
Leu Leu Ser Glu Asp Val Lys Ser Tyr Tyr Thr Val His Leu Leu Gln
145 150 155 160
Leu Glu Asn Ile Asn Ser Gly Glu Thr Arg Thr Ile Ser His Phe His
165 170 175
Tyr Thr Thr Trp Pro Asp Phe Gly Val Pro Glu Ser Pro Ala Ser Phe
180 185 190
Leu Asn Phe Leu Phe Lys Val Arg Glu Ser Gly Ser Leu Asn Pro Asp
195 200 205
His Gly Pro Ala Val Ile His Cys Ser Ala Gly Ile Gly Arg Ser Gly
210 215 220
Thr Phe Ser Leu Val Asp Thr Cys Leu Val Leu Met Glu Lys Gly Asp
225 230 235 240
Asp Ile Asn Ile Lys Gln Val Leu Leu Asn Met Arg Lys Tyr Arg Met
245 250 255
Gly Leu Ile Gln Thr Pro Asp Gln Leu Arg Phe Ser Tyr Met Ala Ile
260 265 270
Ile Glu Gly Ala Lys Cys Ile Lys Gly Asp Ser Ser Ile Gln Lys Arg
275 280 285
Trp Lys Glu Leu Ser Lys Glu Asp
290 295

<210> 3
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<212> PRT
<213> Homo sapiens

<400> 3
Pro Ile Thr Asp Leu Ala Asp Asn Ile Glu Arg Leu Lys Ala Asn Asp
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Gly Leu Lys Phe Ser Gln Glu Tyr Glu Ser Ile Asp Pro Gly Gln Gln
20 25 30

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Phe Thr Trp Glu Asn Ser Asn Leu Glu Val Asn Lys Pro Lys Asn Arg
35 40 45
Tyr Ala Asn Val Ile Ala Tyr Asp His Ser Arg Val Ile Leu Thr Ser
50 55 60
Ile Asp Gly Val Pro Gly Ser Asp Tyr Ile Asn Ala Asn Tyr Ile Asp
65 70 75 80
Gly Tyr Arg Lys Gln Asn Ala Tyr Ile Ala Thr Gln Gly Pro Leu Pro
85 90 95
Glu Thr Met Gly Asp Phe Trp Arg Met Val Trp Glu Gln Arg Thr Ala
100 105 110
Thr Val Val Met Met Thr Arg Leu Glu Glu Lys Ser Arg Val Lys Cys
115 120 125
Asp Gln Tyr Trp Pro Ala Arg Gly Thr Glu Thr Cys Gly Leu Ile Gln
130 135 140
Val Thr Leu Leu Asp Thr Val Glu Leu Ala Thr Tyr Thr Val Arg Thr
145 150 155 160
Phe Ala Leu His Lys Ser Gly Ser Ser Glu Lys Arg Glu Leu Arg Gln
165 170 175
Phe Gln Phe Met Ala Trp Pro Asp His Gly Val Pro Glu Tyr Pro Thr
180 185 190
Pro Ile Leu Ala Phe Leu Arg Arg Val Lys Ala Cys Asn Pro Leu Asp
195 200 205
Ala Gly Pro Met Val Val His Cys Ser Ala Gly Val Gly Arg Thr Gly
210 215 220
Cys Phe Ile Val Ile Asp Ala Met Leu Glu Arg Met Lys His Glu Lys
225 230 235 240
Thr Val Asp Ile Tyr Gly His Val Thr Cys Met Arg Ser Gln Arg Asn
245 250 255
Tyr Met Val Gln Thr Glu Asp Gln Tyr Val Phe Ile His Glu Ala Leu
260 265 270
Leu Glu Ala Ala Thr Cys Gly His Thr Glu Val Pro Ala Arg Asn Leu
275 280 285
Tyr Ala His Ile Gln Lys Leu Gly
290 295

<210> 4
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<212> PRT
<213> Homo sapiens

<400> 4
Met Glu Met Glu Lys Glu Phe Glu Gln Ile Asp Lys Ser Gly Ser Trp
1 5 10 15
Ala Ala Ile Tyr Gln Asp Ile Arg His Glu Ala Ser Asp Phe Pro Cys
20 25 30
Arg Val Ala Lys Leu Pro Lys Asn Lys Asn Arg Asn Arg Tyr Arg Asp
35 40 45
Val Ser Pro Phe Asp His Ser Arg Ile Lys Leu His Gln Glu Asp Asn
50 55 60
Asp Tyr Ile Asn Ala Ser Leu Ile Lys Met Glu Glu Ala Gln Arg Ser
65 70 75 80
Tyr Ile Leu Thr Gln Gly Pro Leu Pro Asn Thr Cys Gly His Phe Trp
85 90 95
Glu Met Val Trp Glu Gln Lys Ser Arg Gly Val Val Met Leu Asn Arg
100 105 110
Val Met Glu Lys Gly Ser Leu Lys Cys Ala Gln Tyr Trp Pro Gln Lys
115 120 125
Glu Glu Lys Glu Met Ile Phe Glu Asp Thr Asn Leu Lys Leu Thr Leu
130 135 140
Ile Ser Glu Asp Ile Lys Ser Tyr Tyr Thr Val Arg Gln Leu Glu Leu
145 150 155 160
Glu Asn Leu Thr Thr Gln Glu Thr Arg Glu Ile Leu His Phe His Tyr

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165	170	175
Thr Thr Trp Pro Asp Phe Gly Val Pro Glu Ser Pro Ala Ser Phe Leu		
180	185	190
Asn Phe Leu Phe Lys Val Arg Glu Ser Gly Ser Leu Ser Pro Glu His		
195	200	205
Gly Pro Val Val Val His Cys Ser Ala Gly Ile Gly Arg Ser Gly Thr		
210	215	220
Phe Cys Leu Ala Asp Thr Cys Leu Leu Leu Met Asp Lys Arg Lys Asp		
225	230	235
Pro Ser Ser Val Asp Ile Lys Lys Val Leu Leu Glu Met Arg Lys Phe		
245	250	255
Arg Met Gly Leu Ile Gln Thr Ala Asp Gln Leu Arg Phe Ser Tyr Leu		
260	265	270
Ala Val Ile Glu Gly Ala Lys Phe Ile Met Gly Asp Ser Ser Val Gln		
275	280	285
Asp Gln Trp Lys Glu Leu Ser His Glu Asp Leu Glu Pro Pro Pro Glu		
290	295	300
His Ile Pro Pro Pro Pro Arg Pro Pro Lys Arg Ile Leu Glu Pro His		
305	310	315
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<211> 40
<212> DNA
<213> Homo sapiens

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<212> DNA
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<400> 7
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<210> 8
<211> 27
<212> DNA
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<400> 8
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<210> 9
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<212> DNA
<213> Homo sapiens

<400> 9
gactttgcga agaaacgccca agaatga

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<212> DNA	
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tgccggaatt ccttagtcct cgtgcgaaag ctcc	34
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<211> 27
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<400> 18
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<210> 19
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<400> 19
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<210> 20
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<400> 20
ctggtcggct gtacagatca gccccat 27

<210> 21
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<400> 21
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<210> 22
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<210> 25
<211> 27
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<400> 25
ccaaaagtga ccggctgtgt taggcaa 27

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<210> 26
<211> 27
<212> DNA
<213> Homo sapiens

<400> 26
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<210> 27
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<212> DNA
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<400> 27
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<400> 28
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<210> 29
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<223> Xaa = Any amino acid

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<223> Xaa = Any amino acid

39750-0008C1 Saved August 10, 2006.txt

<400> 31
His Cys Xaa Xaa Xaa Xaa Arg Thr
1 5

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<223> Xaa = Any amino acid

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Val Cys Xaa Xaa Xaa Xaa Xaa Arg Ser
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<223> Xaa = Any amino acid

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Val Cys Xaa Xaa Xaa Xaa Xaa Arg Thr
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